

"REPLACEMENT SHEET"

HU: MGS D V R D L N A L L P A V P S L G G G G C A L P V S G A A Q W A P V L D F A P P G A S A Y G S L

MO: MGS D V R D L N A L L P A V S S L G G G G C G L P V S G A A Q W A P V L D F A P P G A S A Y G S L

HU: G G P A P P P A P P P P P P P H S F I K Q E P S W G G A E P H E E Q C L S A F T V H F S G Q F T G T A G

MO: G G P A P P P A P P P P P P P H S F I K Q E P S W G G A E P H E E Q C L S A F T L H F S G Q F T G T A G

HU: A C R Y G P F G P P P S Q A S S G Q A R M F P N A P Y L P S C L E S Q P A I R N Q G Y S T V T F D G T P S

MO: A C R Y G P F G P P P S Q A S S G Q A R M F P N A P Y L P S C L E S Q P T I R N Q G Y S T V T F D G A P S

HU: Y G H T P S H A A Q F P N H S F K H E D P M G Q Q G S L G E Q Q Y S V P P P V Y G C H T P T D S C T G

MO: Y G H T P S H A A Q F P N H S F K H E D P M G Q Q G S L G E Q Q Y S V P P P V Y G C H T P T D S C T G

HU: S Q A L L L R T P Y S S D N L Y Q M T S Q L E C M T W N Q M N L G A T L K G V A A G S S S S V K W T E

MO: S Q A L L L R T P Y S S D N L Y Q M T S Q L E C M T W N Q M N L G A T L K G M A A G S S S S V K W T E

HU: G Q S N H S T G Y E S D N H T P I L C G A Q Y R I H T H G V F R G I Q D V R R V P G V A P T L V R S A S

MO: G Q S N H G I G Y E S D N H T A P I L C G A Q Y R I H T H G V F R G I Q D V R R V S G V A P T L V R S A S

HU: E T S E K R P F M C A Y P G C N K R Y F K L S H L Q M H S R K H T G E K P Y Q C D F K D C E R R F S R

MO: E T S E K R P F M C A Y P G C N K R Y F K L S H L Q M H S R K H T G E K P Y Q C D F K D C E R R F S R

HU: S D Q L K R H Q R R H T G V K P F Q C K T C Q R K F S R S D H L K T H T R T H T G K T S E K P F S C R

MO: S D Q L K R H Q R R H T G V K P F Q C K T C Q R K F S R S D H L K T H T R T H T G K T S E K P F S C R

HU: W P S C Q K K F A R S D E L V R H H N M H Q R N M T K L Q L A L

MO: W H S C Q K K F A R S D E L V R H H N M H Q R N M T K L H V A L

Fig. 1

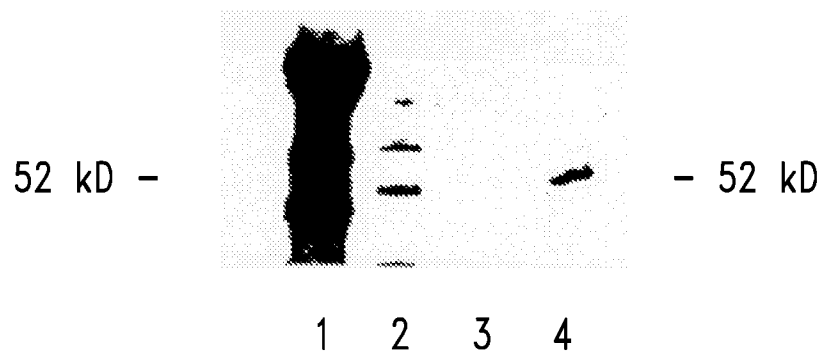


Fig. 2

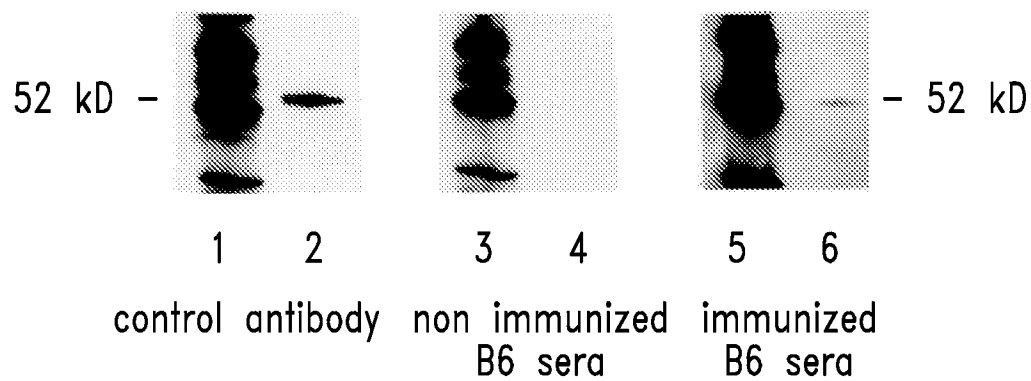


Fig. 3

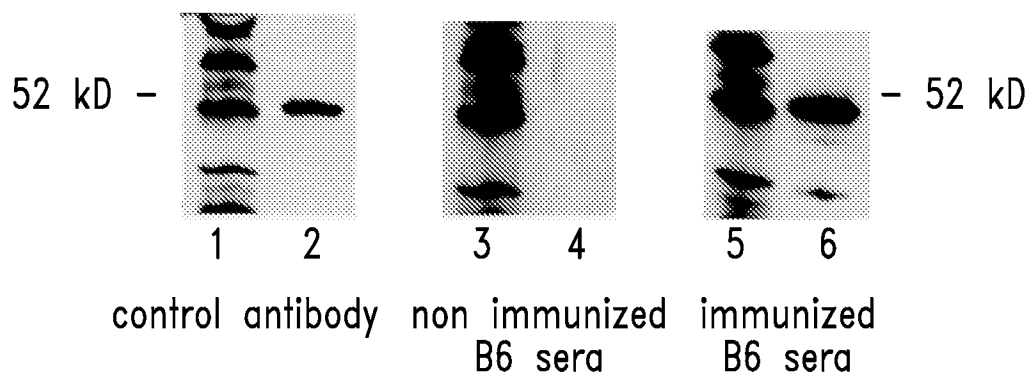


Fig. 4

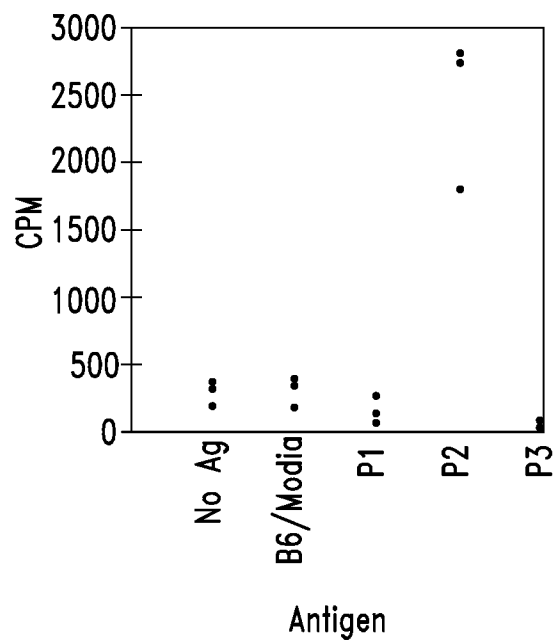


Fig. 5A

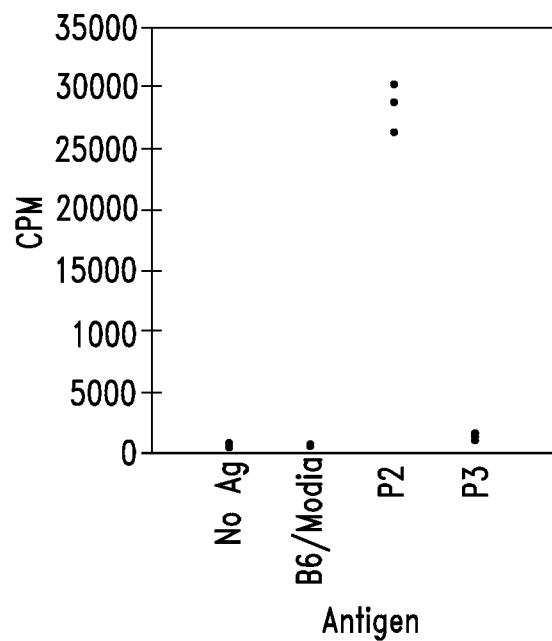


Fig. 5B

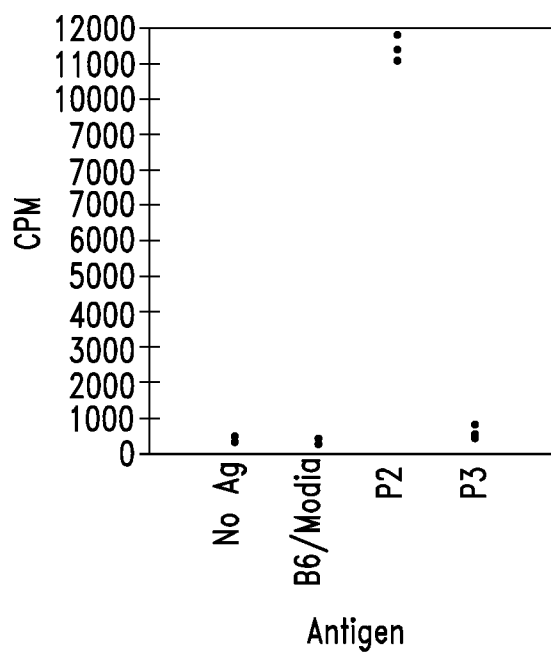


Fig. 5C

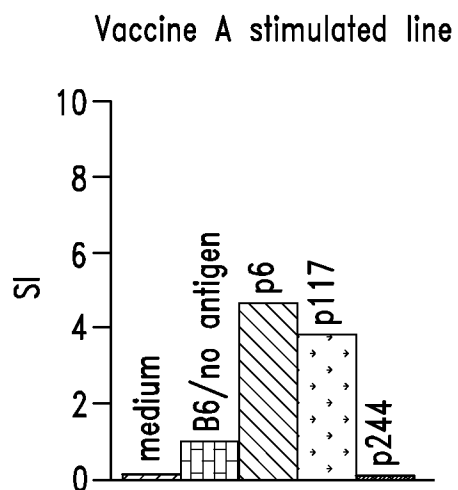


Fig. 6A

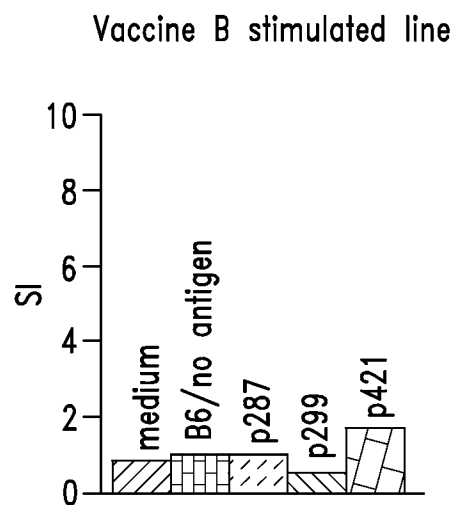


Fig. 6B

p117-139 stimulated line

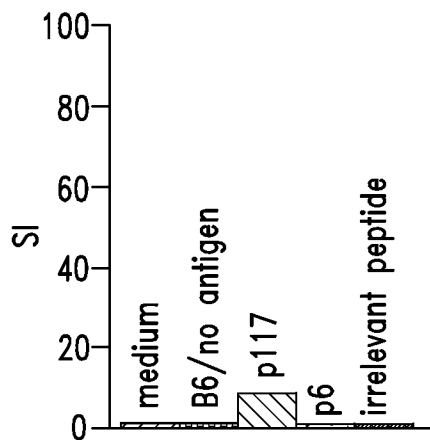


Fig. 7A

p117-139 stimulated clone

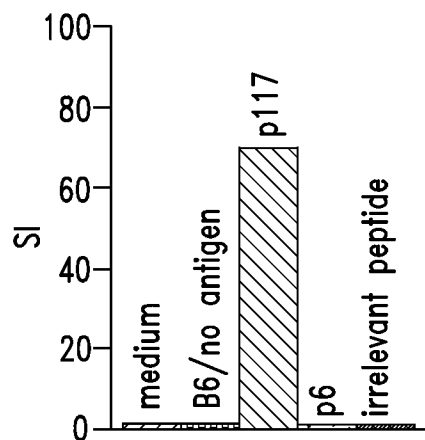


Fig. 7B

p6-22 stimulated line

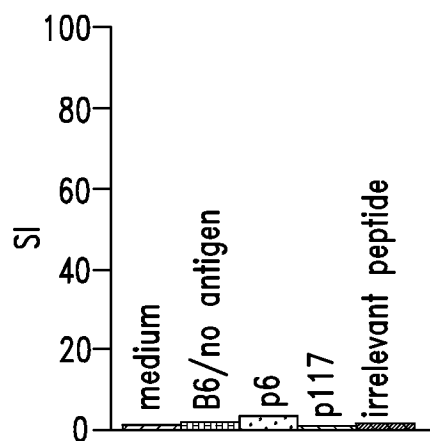


Fig. 7C

p6-22 stimulated clone

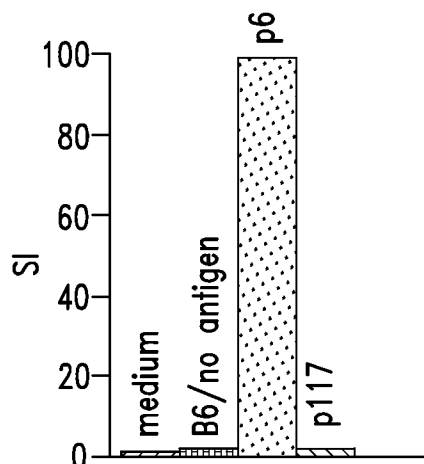


Fig. 7D

Inventor(s): Alexander Gaiger et al.

"REPLACEMENT SHEET"

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      5   10   15   20   25   30   35   40   45   50   55   60   65   70   75
MGSDVRDLNALLPAVPSLGGGGGCVSGAAQWAPVLDFAAPPASAYGSLGGPAPPPAPPPPPPHSF IKQE
.....AAAAAAAAAAAAAAAA.....AAAAA.....AAAAAAAAAAAA.....
.....RRRR.....
.....
.....

      80   85   90   95  100  105  110  115  120  125  130  135  140  145  150
PSWGGAEPEEQCLSAFTVHFSGQFTGTAGACRYGPGPPPPSQASSQARMFPNAPYLPSCLESQPAIRNQGS
.....AAA.....AAAA.....AAA.....AAAAA.....
.....RRRR.....RRRR.....
.....DDDDDDDD.....
.....

     155  160  165  170  175  180  185  190  195  200  205  210  215  220  225
TVTFDGTPSYGHTPSHHAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDCTGSQALLRTPYSSDN
.....AAAA.....AAAAA.....AA
.....RRRR.....
.....DDDDDDDDDDDD.....
.....

     230  235  240  245  250  255  260  265  270  275  280  285  290  295  300
LYQMTSQLECMTNQMNLGATLKGVAAGSSSVKWTGQSNHSTGYESDNHTPILCGAQYRIHTHGVRGIQDV
AAAAA.....AAA.AAA.....AAAAAAAAA
.....RRRRRRRRR.....RRRR.....RRRR.....
DDDDDD.....DDDDDDDDDD.....
.....ddddd.....

     305  310  315  320  325  330  335  340  345  350  355  360  365  370  375
RRVPGVAPTLVRSASETSEKRPFCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDKDCERRFSRSDQLKRHQR
AAAAA..AAAAAAAAA.....AAAA.AAAAAA..
.....RRRR.....RRRR.....
.....DDDDDD.....
.....

     380  385  390  395  400  405  410  415  420  425  430  435  440  445  450
RHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTGKTSEKPFSCRWPSCQKKFARSDELVRHHNMHQRNMTKLQAL
.....AAAA.AAAA..AA.....AAAA.....AAA.....AAAAA.....AAA.....
.....RRRR..RRRR.....
.....
.....dddddddddd.....

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Fig. 8A

Inventor(s): Alexander Gaiger et al.

"REPLACEMENT SHEET"

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      5   10   15   20   25   30   35   40   45   50   55   60   65   70   75
MGSDVRDLNALLPAVSSLGGGGGCLPVSGAAQWAPVLDFAAPPASAYGSLGGPAPPPAPPPPPPPPHSFIKQE
.....AAAAAAAAAAAAAAAA.....AAAAA.....AAAAAAAAA.....
.....RRRR.....
.....
.....

      80   85   90   95  100  105  110  115  120  125  130  135  140  145  150
PSWGGAEPEEQCLSAFTLHFGQFTGTAGACRYGPGPPPSQASSGQARMFPNAPYLPSCLESQPTIRNQYS
.....AAAA.....AAA.....AAAAA.....
.....RRRR.....RRRR.....
.....DDDDDDDD.....
.....

     155  160  165  170  175  180  185  190  195  200  205  210  215  220  225
TVTFDGAPSYGHTPSHHAAQFPNHSEKHEDEPMGQQGSLGEQQYSVPPVYGCHTPTDSCGQSQALLRTPYSSDN
.....AAAA.....AAAAA.....AA
.....RRRR.....
.....DDDDDDDDDDDD...
.....

     230  235  240  245  250  255  260  265  270  275  280  285  290  295  300
LYQMTSQLCMTWNQMNLGATLKGMAAGSSSVKWTGQSNHGIGYESDNHTAPILCGAQYRIHTGVFRGIQDV
AAAAA.....AAA.AAA.....AAAAAAAAA
.....RRRRRRRRR.....RRRR.....RRRR.....
DDDDDD.....DDDDDDDDDD.....
.....dddd.....

     305  310  315  320  325  330  335  340  345  350  355  360  365  370  375
RRVSGVAPTLVRSASETSEKRPFCAYPGCNKRYKLSHLQMHSRKHTGEKPYQCDKDCERRFSRSDQLKRHQR
AAAAA.....AAAAA.....AAAA.AAAAAA.
.....RRRR.....RRRR.....
..DDDDDDDDDD.....
.....

     380  385  390  395  400  405  410  415  420  425  430  435  440  445  450
RHTGVKPFQCKTCQRKFSRSDHLKTHTRHTGKTSEKPFSCRWHSCQKKFARSDELVRHHNMHQRNMTKLHVAL
.....AAAA.AAAA.AA.....AAAA.....AA.....AAAAA.....AAAA.....
.....RRRR..RRRR.....
.....
.....dddddddddd.....

```

Fig. 8B

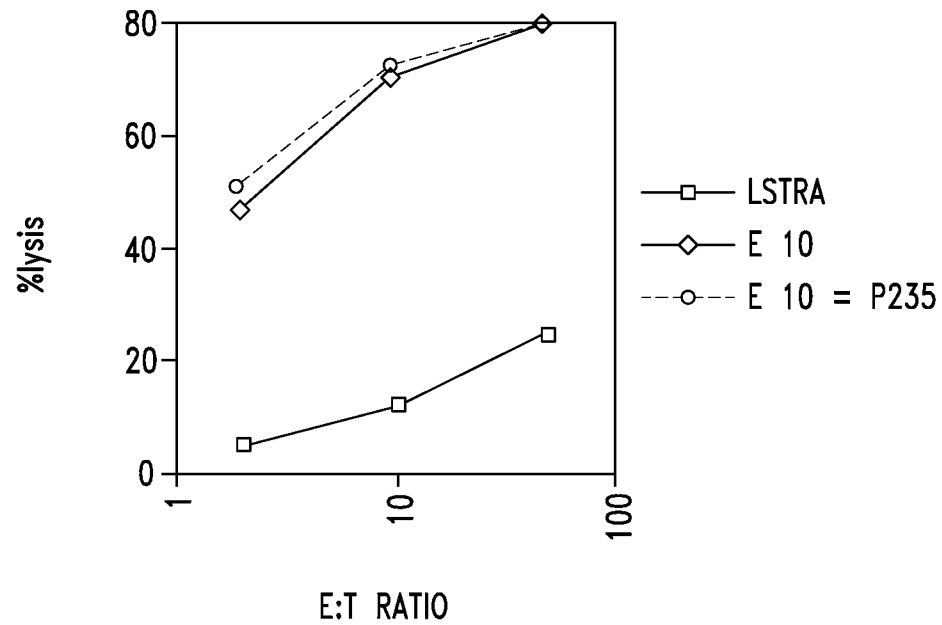


Fig. 9A

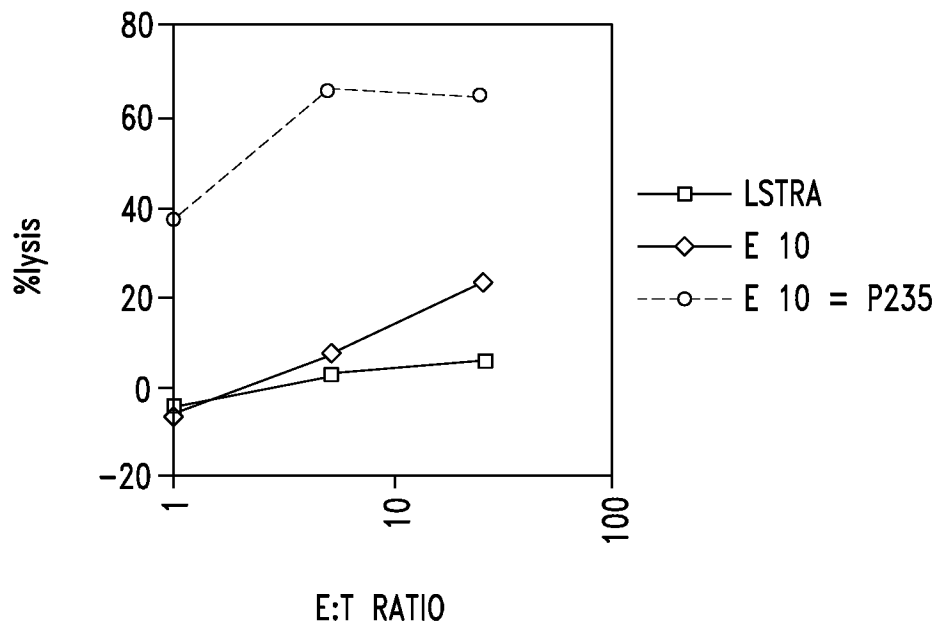


Fig. 9B

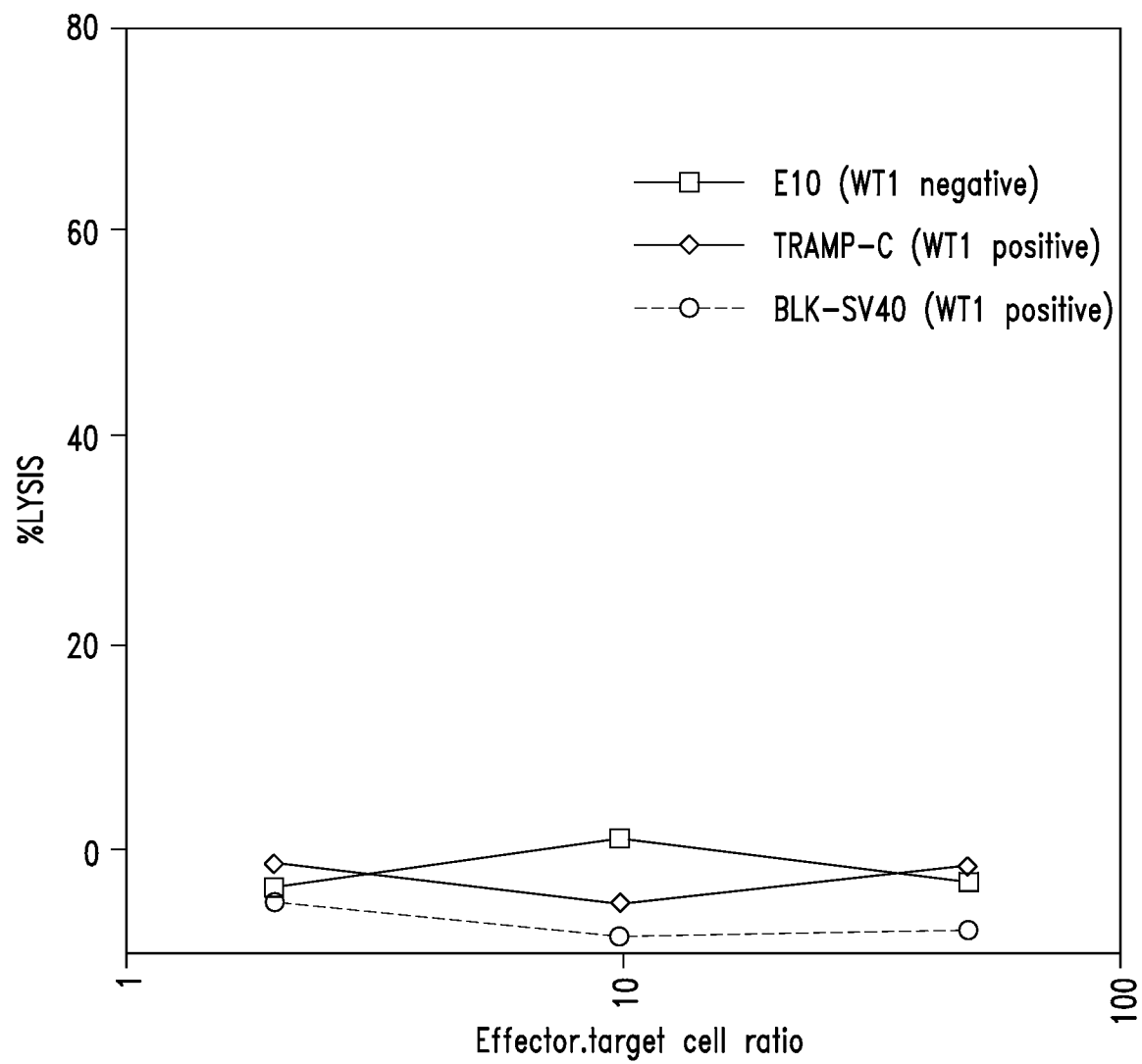


Fig. 10A

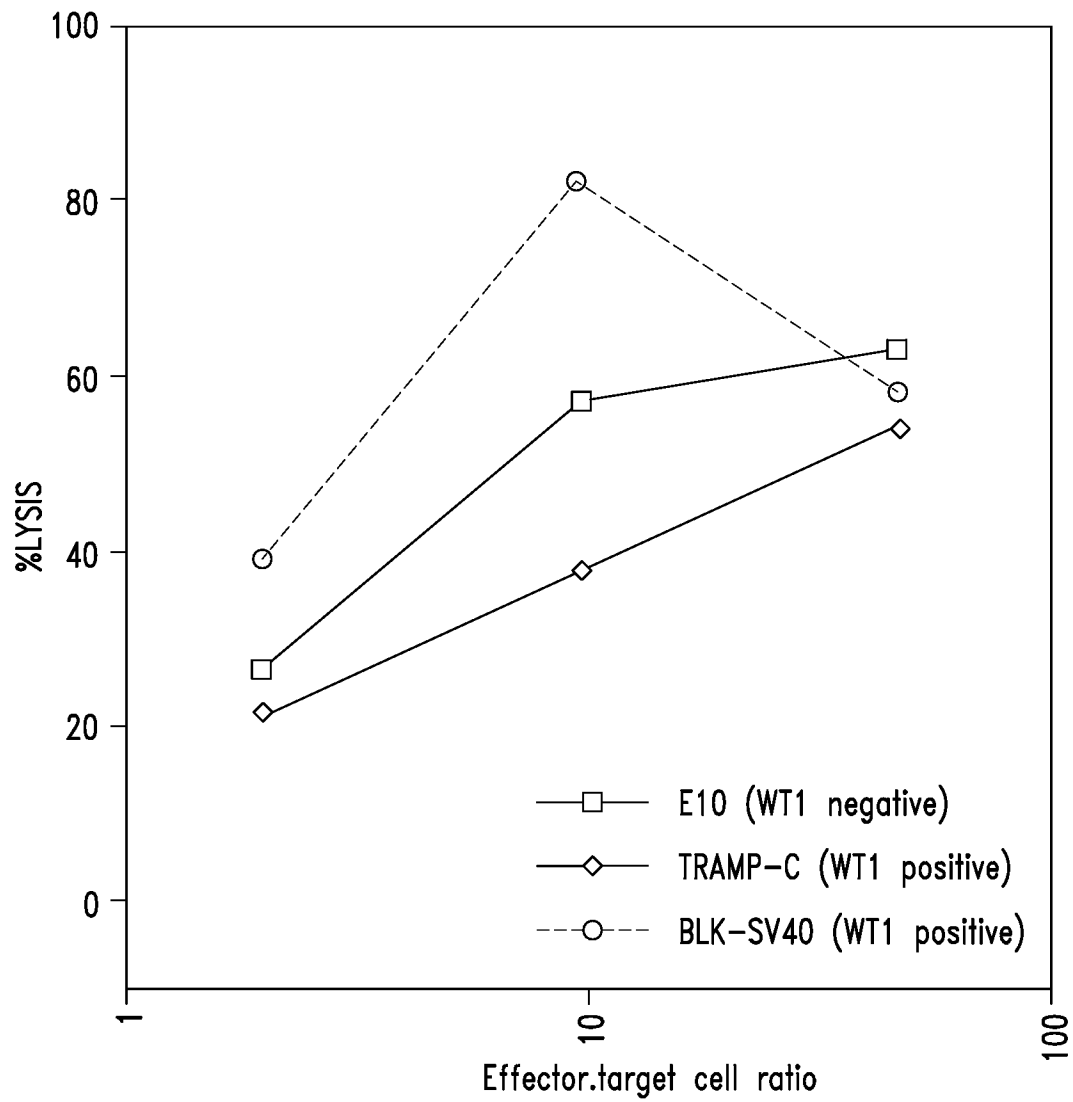


Fig. 10B

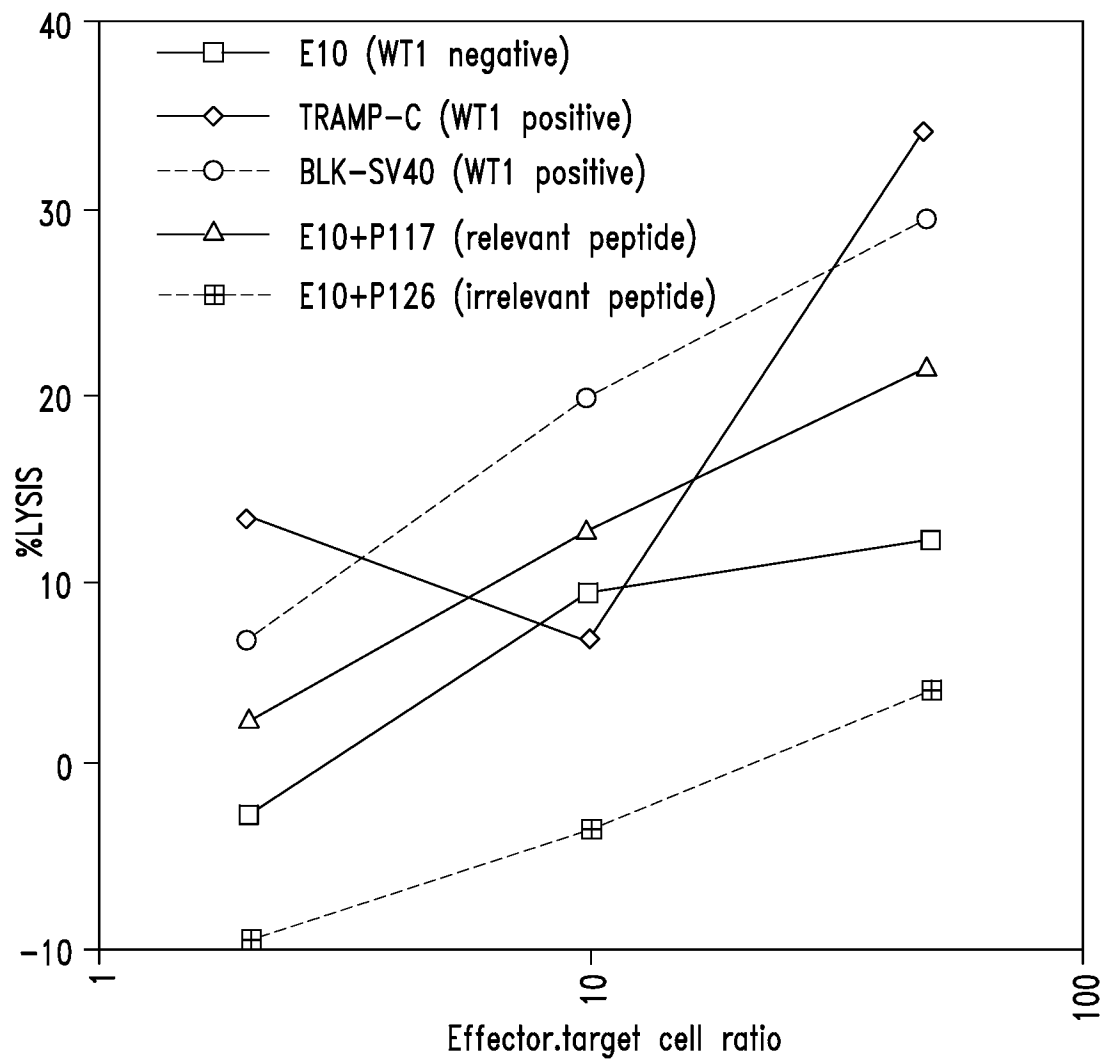


Fig. 10C

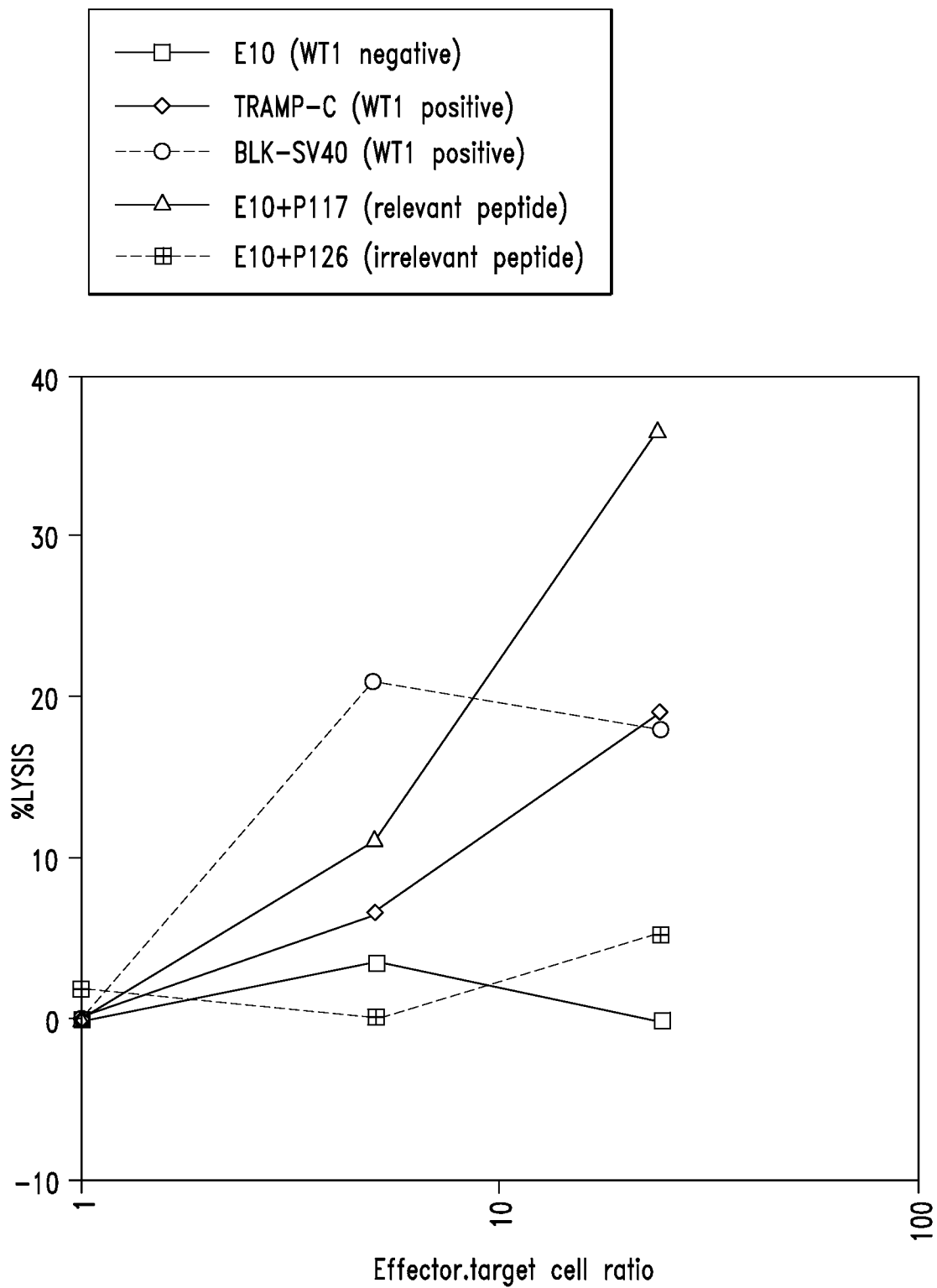


Fig. 10D

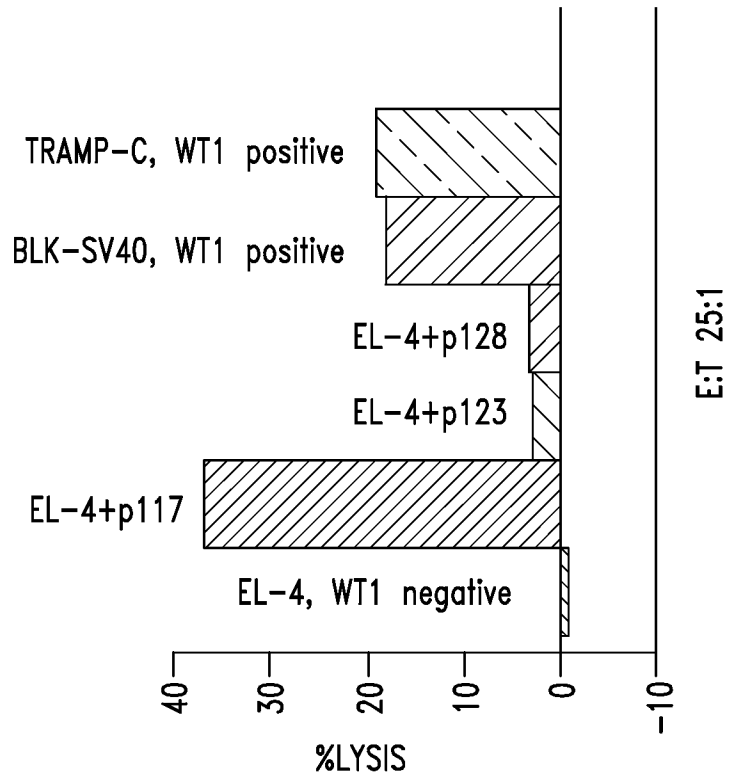


Fig. 11B

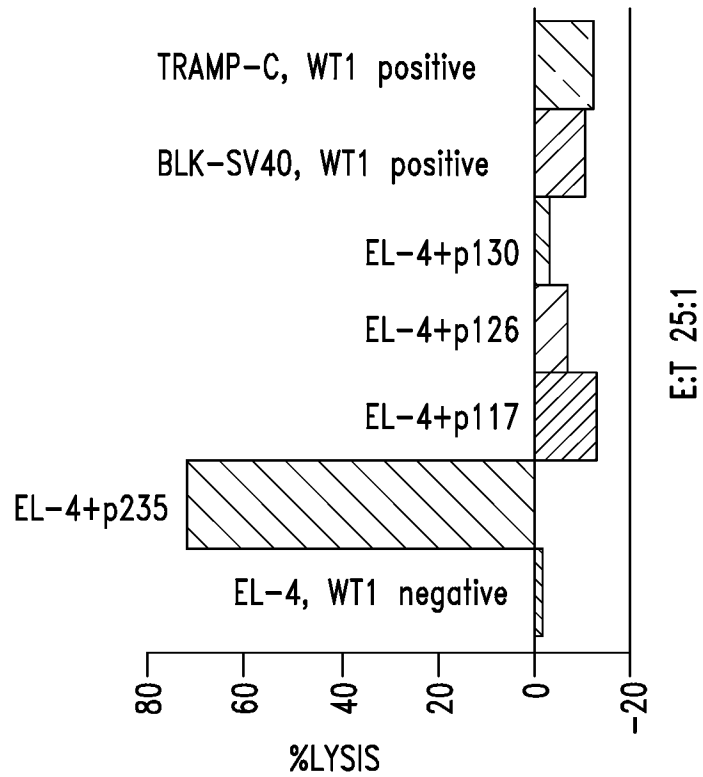


Fig. 11A

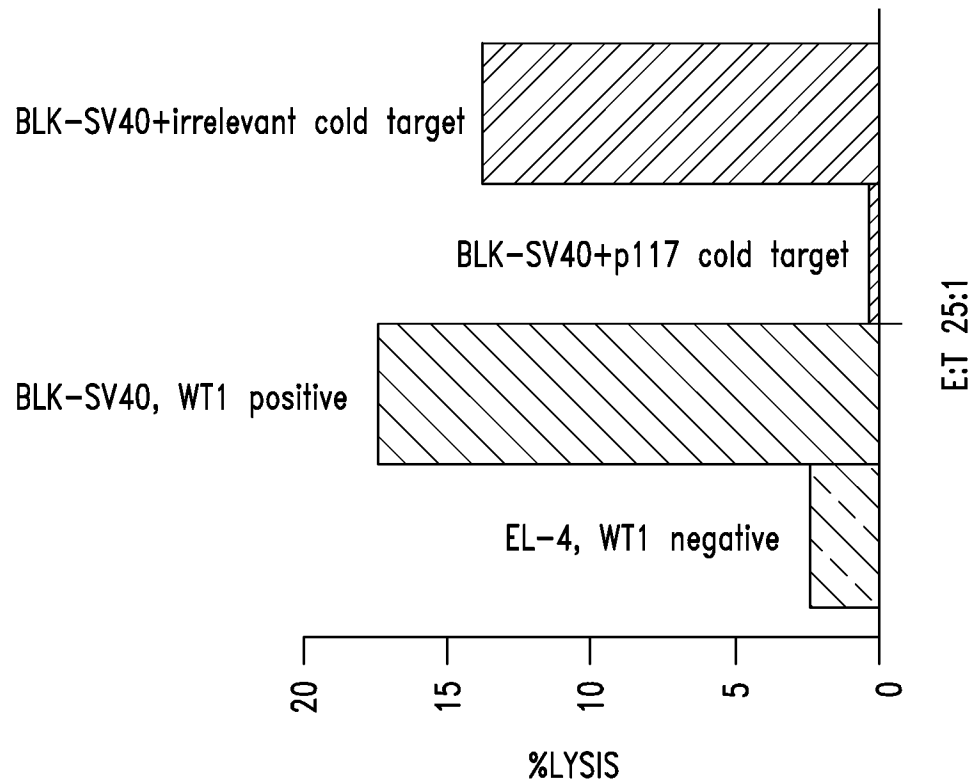


Fig. 12B

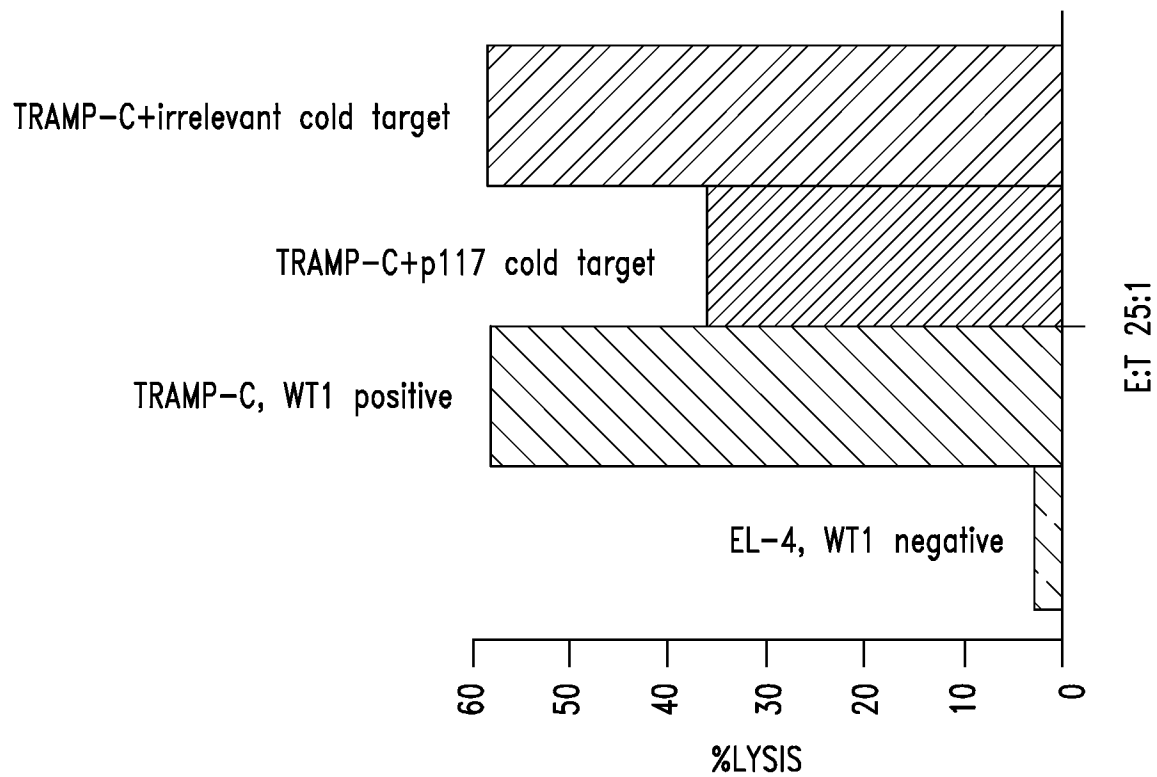


Fig. 12A

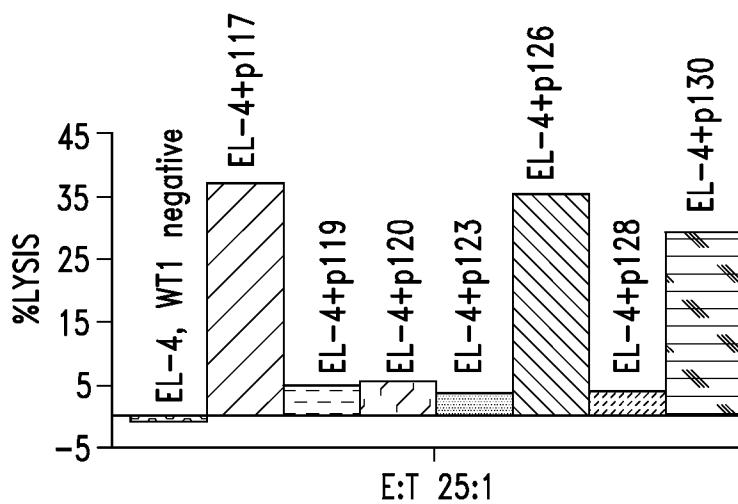


Fig. 13A

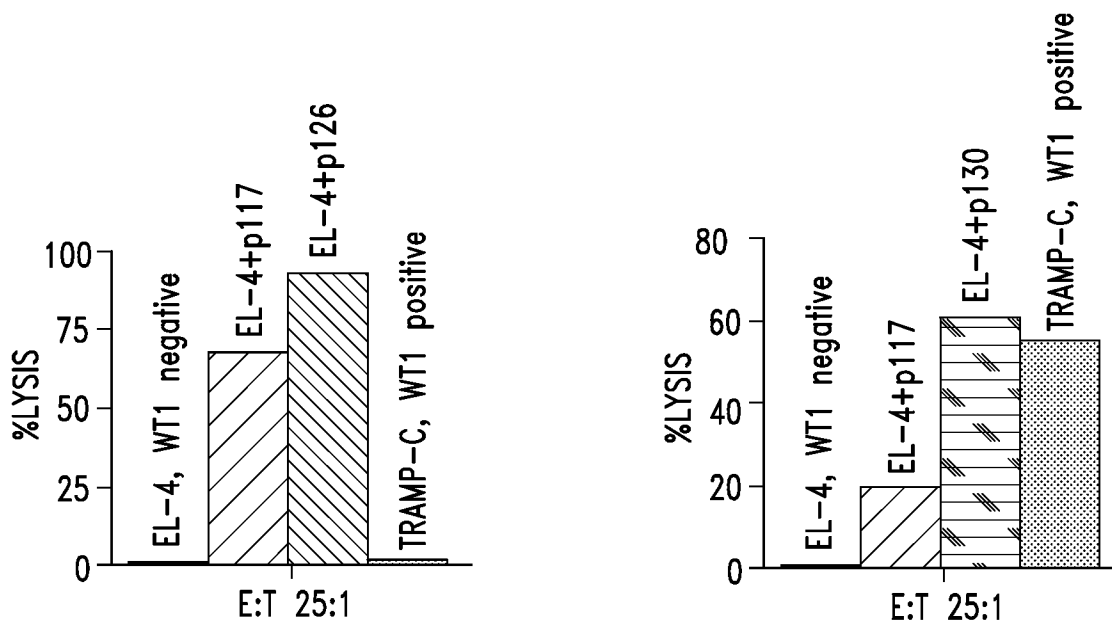


Fig. 13B

Fig. 13C

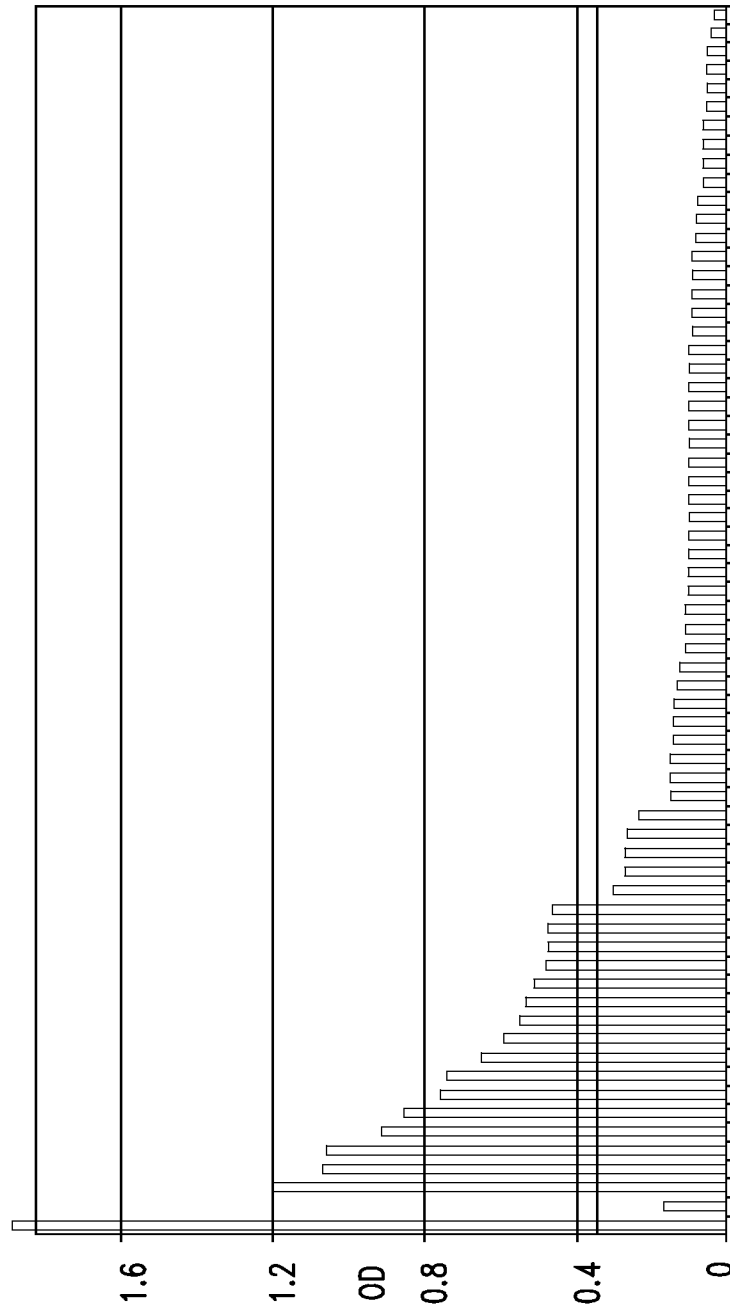


Fig. 14

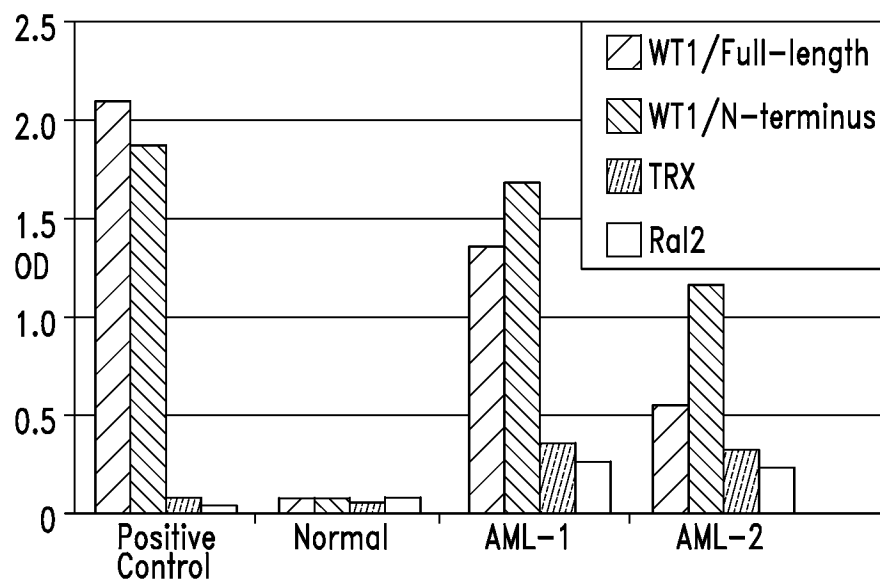


Fig. 15

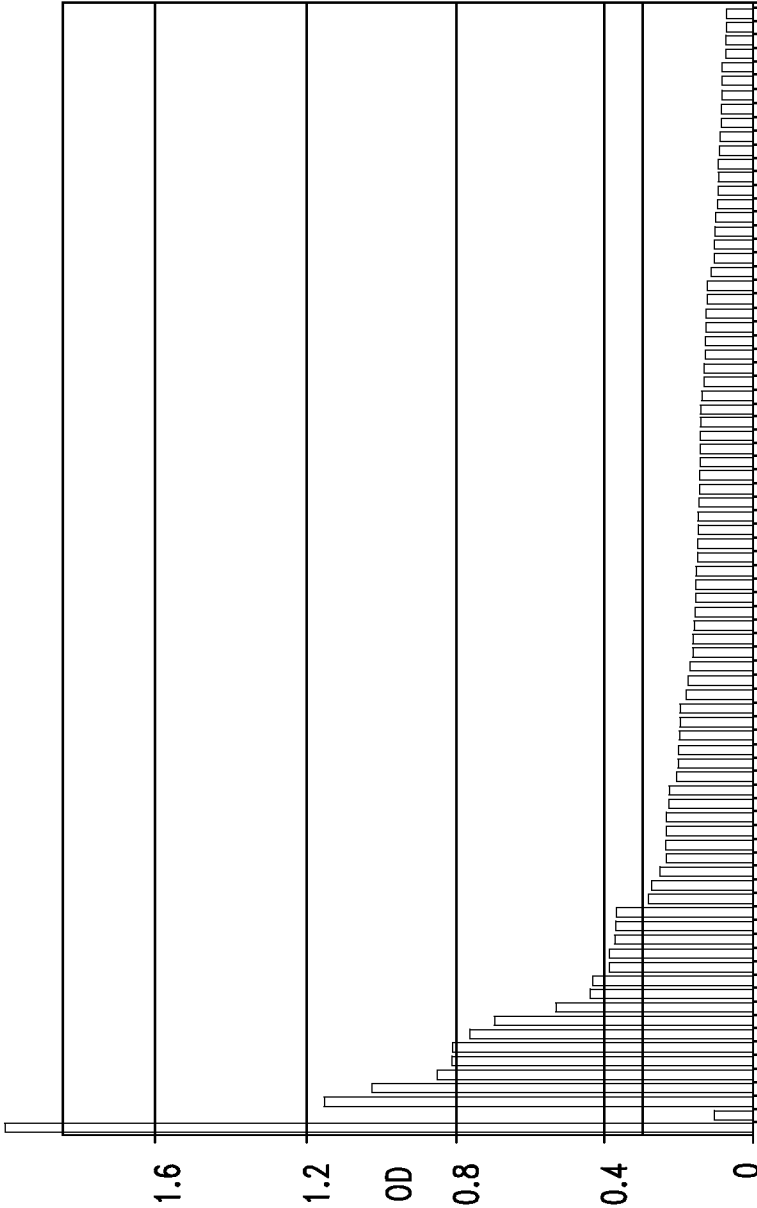


Fig. 16

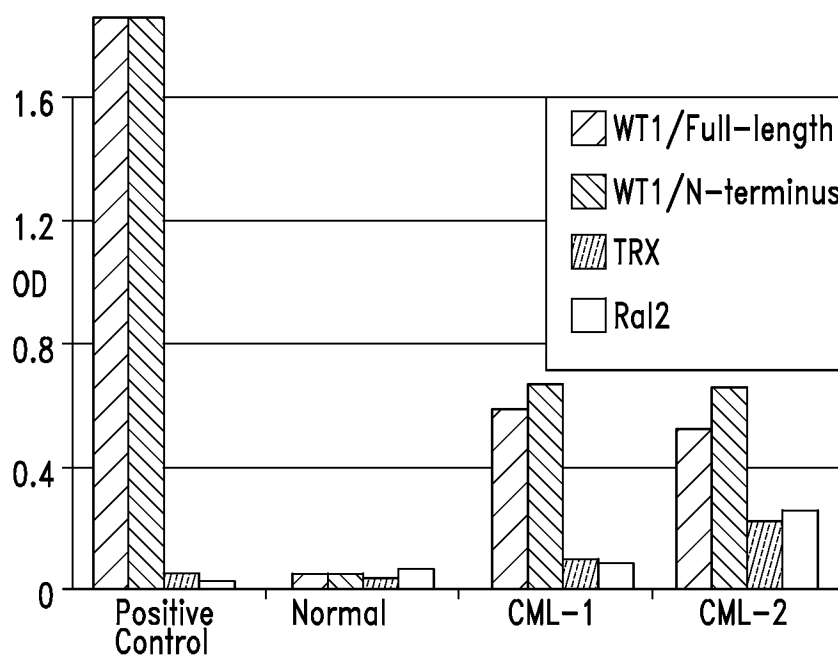


Fig. 17

TABLE 1: Characteristics of Recombinant WT1 Proteins Used for Serological Analysis

<u>NAME</u>	<u>Recombinant Protein</u>	<u>WT1 Amino Acid Position</u>	<u>Molecular Weight</u>
WT1/full-length	Ral2-WT1 full length fusion protein	aa 1-449	85kDa
WT1/N-terminus	TRX-WT1 N-terminus fusion protein	aa 1-249	60kDa
WT1/C-terminus	WT1 C-terminus protein	aa 267-449	50kDa

Fig. 18